

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

1-13. (Cancelled)

14. (Previously Presented) In an image forming system, a method of forming an image with a printhead, the method comprising the steps of:

forming sets of grouped ink ejectors, the groupings determined based on previously entered ink droplet compensation values;

discharging a first set of ink droplets and a second set of ink droplets from the printhead onto a print medium to form an image;

determining differences in distance between the first set of ink droplets and the second set of ink droplets once deposited on the print medium;

presenting the grouped ejectors to a user in one of ascending and descending droplet compensation value ranking;

updating, by the user, compensation values for a selected set of ink ejectors by a constant value based on the determined differences between the first set of ink droplets and the second set of ink droplets; and

controlling a subsequent discharge of the ink droplets from the printhead based on the updated compensation values.

15. (Original) The method of claim 14, wherein the step of determining the differences in distance between the ink droplets of the first set and the ink droplets of the second set further comprises the step of determining an air gap distance between the imaging medium and the printhead.

16. (Original) The method of claim 14, further comprising the step of characterizing the printhead to determine velocity variations in ink droplets, and scheduling the discharge of the ink droplets based on the printhead characterization.

17-34. (Cancelled)